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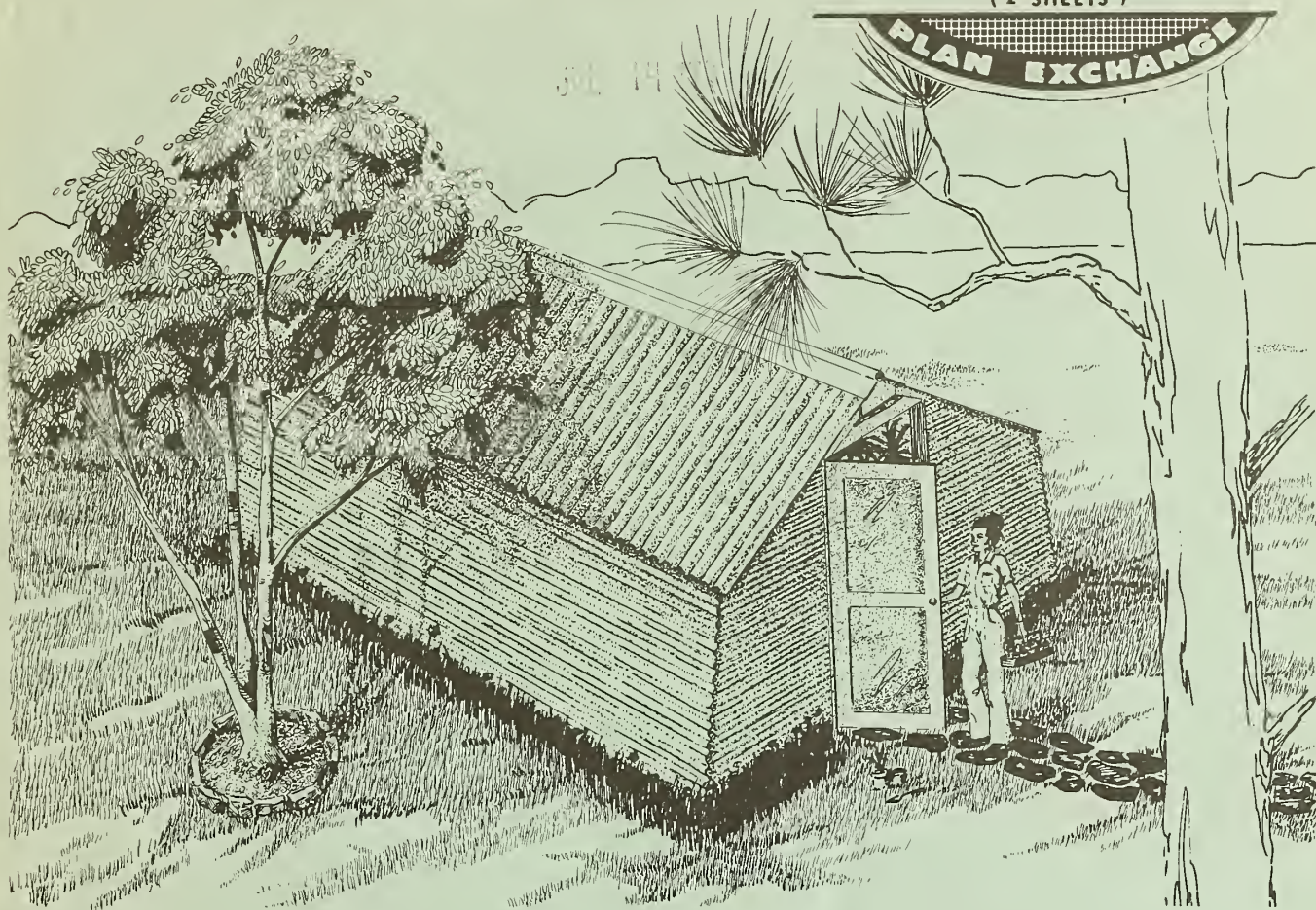
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DC BRANCH

HOME GREENHOUSE



Home greenhouses are quite popular. With the advent of plastic glazing materials, home greenhouses are now within the economic reach of more people. This plan was developed to meet the need for numerous requests for help in this area.

The greenhouse, developed by Rutgers University, is patterned after a University of Illinois plan with the added feature of illustrating an alternative covering using two layers of 6 mil plastic film separated by air. Homeowners can use the technique used extensively by commercial producers thus taking away the stigma of an unattractive building formerly associated with film greenhouses.

This building of wooden, rigid-frame construction with nailed plywood gussets is covered with corrugated fiberglass panels. The rigid frames are made of 2 by 4 studs, which are erected on a foundation consisting of short

posts set in the ground to support a built-up wood sill assembly. The posts should be pressure-treated with copper naphthenate. Do not use a preservative that may be toxic to plants.

Careful workmanship in cutting and assembling will produce a sturdy frame. Information is provided on the working drawings for alternate covering and heating and ventilation requirements.

Complete working drawings may be obtained from the extension agricultural engineer at your State university. There may be a small charge to cover cost of printing.

If you do not know the location of your State university, send your request to Agricultural Engineer, Extension Service, U.S. Department of Agriculture, Washington D.C. 20250. He will forward your request to the correct university.

ORDER PLAN NO. 6181, HOME GREENHOUSE.

Washington, D.C.

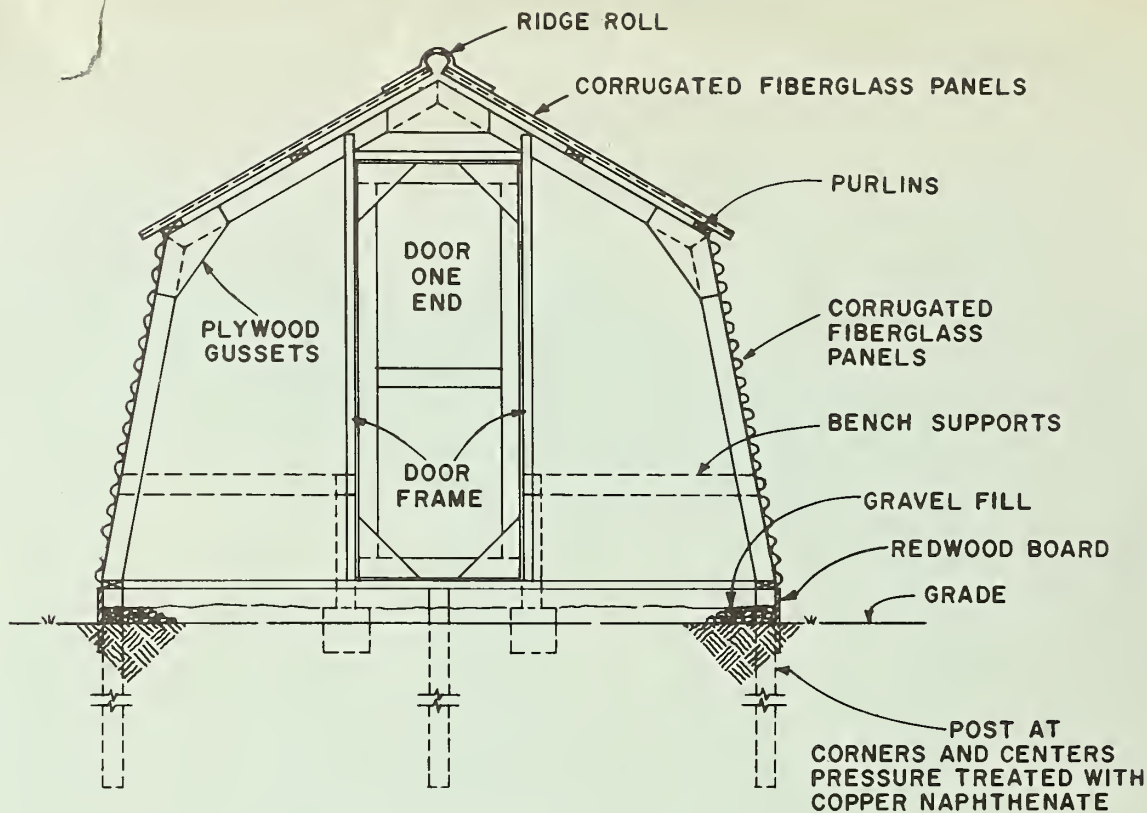
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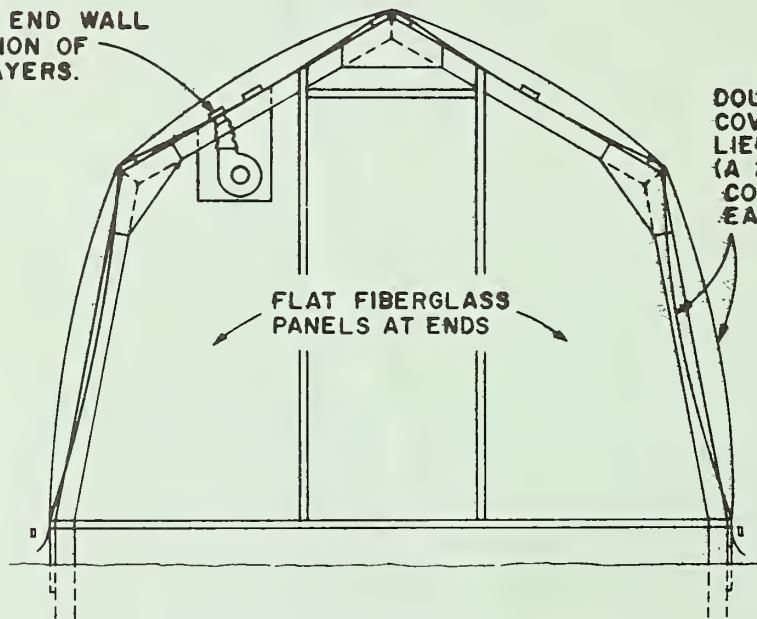
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CROSS SECTION

**BLOWER AT END WALL
FOR INFLATION OF
PLASTIC LAYERS.**



**DOUBLE LAYER 6 MIL PLASTIC
COVERING, AIR INFLATED, IN
LIEU OF FIBERGLASS PANELS.
(A 24x100' ROLL OF PLASTIC WILL
COVER HOUSE 4 TIMES. ONCE
EACH YEAR FOR 4 YEARS.)**

ALTERNATE CROSS SECTION

AGRICULTURAL RESEARCH SERVICE